

Research of boundary layers of molds, used in titanium casting

Khatmullina A., Yu Petrov E., Lyakhovich A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. Boundary layers of the mold used for castings from titanium have been investigated by the method of electron microscopy with a system of probe microanalysis. Migration both components of mold and additives of titanium alloy is established to the surface layers of the form.

<http://dx.doi.org/10.1088/1757-899X/412/1/012043>

References

- [1] Kanjer A, Optasanu V, Lavis L, Marco de Lucas M, Dejardin S, Francois M, Berger P, Peyre P, Gorny C and Montesin T 2017 Oxid Met
- [2] Deshmukh V, Kadam R and Joshi S 2017 Machining Science and Technology 21 257
- [3] Sung S and Kim Y 2005 Materials Science and Engineering A 405 173